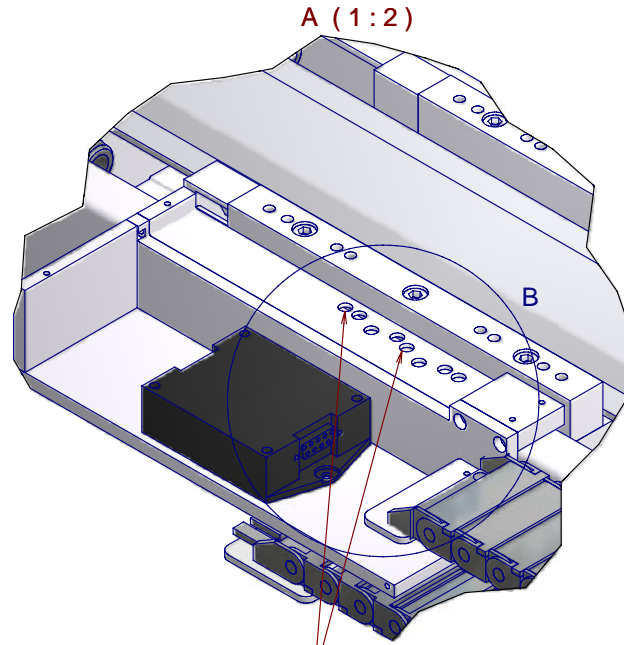
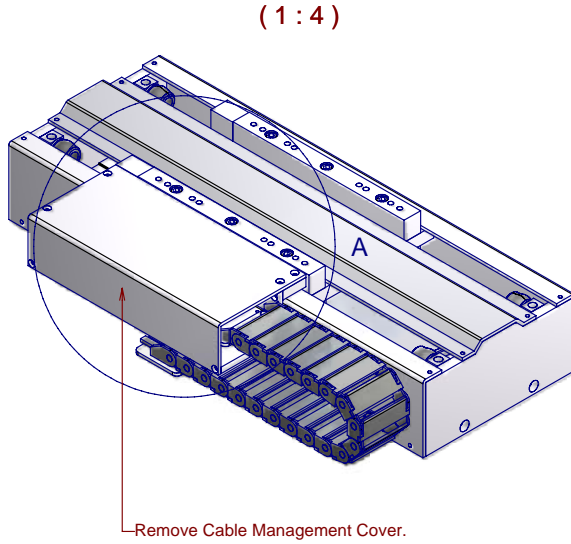


NOTICE REGARDING THIS CONFIDENTIAL DRAWING:
 Reproduction is forbidden without the specific written permission of
 Linear Motion, Yaskawa Electric America, Inc., Walkersville,
 MD.
 The subject matter of this drawing, including any designs or
 technical information shown therein, is the property of Linear
 Motion, Yaskawa Electric America, Inc.

SigmaTrac Encoder Alignment Diagram



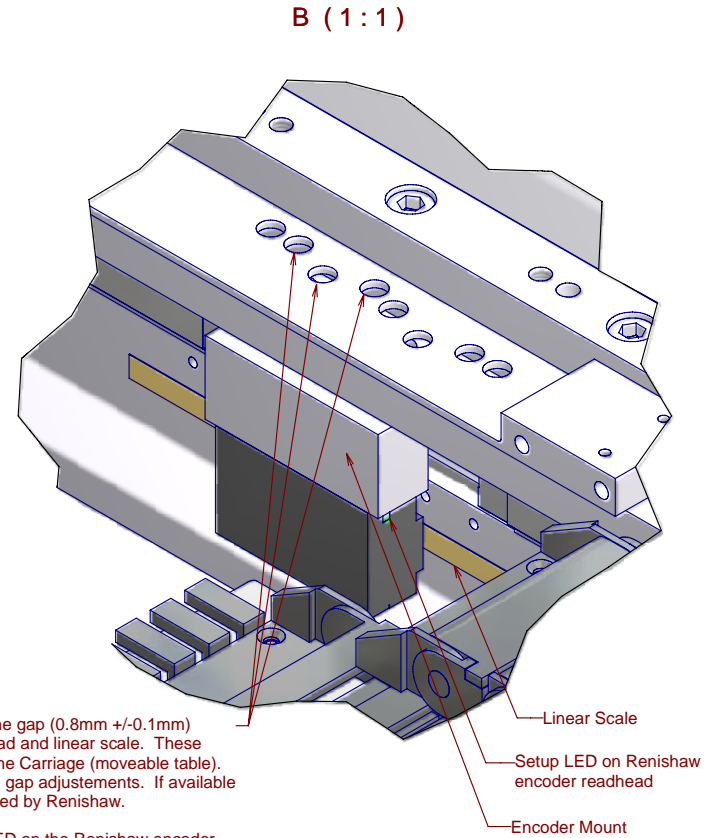
If available, first try adjusting the gap (0.8mm +/-0.1mm) between Renishaw encoder readhead and linear scale by these (2) screws only. These screws hold the Renishaw encoder readhead to the Encoder Mount. If available, use the orange or blue shims provided by Renishaw.

Note: Cables not shown for clarity.

Loosen these (3) screws to adjust the gap (0.8mm +/-0.1mm) between Renishaw encoder readhead and linear scale. These screws hold the Encoder Mount to the Carriage (moveable table). Slotted through holes allow for large gap adjustments. If available use the orange or blue shims provided by Renishaw.

When properly aligned, the setup LED on the Renishaw encoder readhead should remain GREEN along the entire stroke of travel. The LED should blind RED for 1 second when passing over the "home" reference mark.

Note: Several parts not shown for clarity.



DESIGN BY: PAUL ZAAC	MATERIAL	 LINEAR MECHATRONICS 2121 NORMAN DRIVE S. WALKERSVILLE, MD 20785
DRAWN BY: PAUL ZAAC	SPEC	
CHKD BY:	FINISH	TITLE: SIGMATRAC ENCODER ALIGNMENT
TECH:	PROJECT: SIGMA TRAC	SIZE: B
APPRV BY:	REF: DWG	DWG. NO.:
<small>UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN MILLIMETERS & INCLUDE CHEMICAL DIMENSIONS UNLESS NOTED. DIMENSIONS SHOWN IN PARENTHESES REFER TO ALL EDGES.</small>	<small>UNLESS OTHERWISE SPECIFIED: DIMENSIONAL TOLERANCES ARE (mm) SURFACE: 0.5 UP TO 6.0 (INCL) +/-0.1 OVER 6.0 UP TO 30.0 (INCL) +/-0.2 OVER 30.0 UP TO 120.0 (INCL) +/-0.3 OVER 120.0 UP TO 315.0 (INCL) +/-0.5 OVER 315.0 UP TO 1000.0 (INCL) +/-0.8 OVER 1000.0 UP TO 2000.0 (INCL) +/-1.2</small>	ITEM #:
		SCALE:
		SHEET: 1 OF 1